

USA Patent Application  
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PROXIMITY SWITCH ENCAPSULATED IN A  
PLASTIC HOUSING AND HAVING A SHIELD  
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ABSTRACT

A proximity switch having a coil former (3) which is fitted with at least one coil (4, 5, 6), has an associated board (8) and is held by a plastic housing (1), and having an electrically conductive shield (2) between the coil former (3) and the inner wall of the plastic housing (1), with the shield (2) making electrically conductive contact with a circuit (9) which is mounted on the board (8), wherein the shield (2) is formed by an electrically conductive inner wall coating on the plastic housing (1).